

WHAT IS CLAIMED IS:

1. A fixing device for attaching and detaching a dust receptacle of a cyclone type vacuum cleaner, the cyclone type vacuum cleaner comprising a cleaner body including a mounting portion, and a cyclone unit including a cyclone body and the dust receptacle, comprising:
  - 5 a dust receptacle comprising a sliding groove, the sliding groove formed with a predetermined depth and height extended backward from an approximate center of a bottom side of the dust receptacle that is opposite to a bottom side of the mounting portion;
  - a guide member disposed in the sliding groove for guiding attachment and detachment of the dust receptacle, and comprising a cam guider having first and second receiving recesses in
  - 10 different heights, respectively; and
  - an operation lever comprising a cam part having a cam projection for insertion into the cam guider, a rotary shaft extended from the cam part, and a manipulating part formed at one end of the rotary shaft,
  - wherein the operation lever is disposed in the cleaner body to be protruded outside of the
  - 15 cleaner body for rotation and counter-rotation to thereby move the guide member upward and downward at a height according to an eccentricity of the cam part.
2. A cyclone type vacuum cleaner, comprising:
  - a cleaner body having a vacuum generating device, and a suction bush at a lower portion
  - 20 of the cleaner body;
  - a cyclone body disposed in a mounting portion of the cleaner body for separating contaminants in air drawn in through an inflow passage which is in fluid communication with the suction brush, and discharging the clean air through an outflow passage which is in fluid communication with the vacuum generating device;

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a dust receptacle detachably connected to the cyclone body for collecting the contaminants which are separated in the cyclone body; and

a fixing device for separately attaching and detaching the dust receptacle to and from the mounting portion, independently from the cyclone body,

5        wherein the fixing device further comprises a dust receptacle comprising a sliding groove, the sliding groove formed with a predetermined depth and height extended backward from a center of a bottom side of the dust receptacle that is opposite to a bottom side of the mounting portion,

      wherein a guide member is disposed in the sliding groove for guiding attachment and detachment of the dust receptacle, and comprising a cam guider with first and second receiving  
10    recesses with different heights, respectively, and

      wherein an operation lever comprises, a cam part with a cam projection for insertion into the cam guider, a rotary shaft extended from the cam part, and a manipulating part formed at one end of the rotary shaft, and wherein the operation lever is disposed in the cleaner body to protrude outside of the cleaner body for rotation and counter-rotation to thereby move the guide member  
15    upward and downward at a height according to an eccentricity of the cam part.

3.        The vacuum cleaner of claim 2, wherein the cyclone body is mounted in the mounting portion, and a locking handle formed on a rear portion of the cyclone body is inserted in and fixed to a handle coupling portion formed on an inner wall of the mounting portion of the cleaner body.

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4.        The vacuum cleaner of claim 2, wherein a handle is formed at a front portion of the dust receptacle for a user to grip while handling the dust receptacle.